

Duke Power Company
Wachovia Center
P.O. Box 1007
Charlotte, N.C. 28201-1007



DUKE POWER

February 14, 1992

U.S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, D.C. 20555

RE: Catawba Nuclear Station
Docket No. 50-423 and 50-414
File: GS-801.01

Dear Sir:

Please find attached information concerning the performance and operating status of the Catawba Nuclear Station for the month of January, 1992.

Very truly yours,

E. O. McCraw, Manager
Operations, Performance, & Automation

EOM/sdg
Attachments

cc: Stewart D. Ebnetter
Regional Administrator/Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, GA 30323

Richard G. Oehl, NE-44
U.S. Department of Energy
19901 Germantown Rd.
Germantown, MD 20874

W. T. Orders
Senior Resident Inspector
Catawba Nuclear Station

INPO Records Center
1100 Circle 75 Parkway, Suite 1500
Atlanta, GA 30323

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Ave.
Farmington, CT 06032

Bob Martin
Office Nuclear Regulation
U.S. Nuc. Reg. Commission
Washington, D.C. 20555

Ms. Vickie White
Nuclear Assurance Corp.
6251 Crooked Creek Road
Norcross, GA 30092

9202190136 920131
PDR ADOCK 05000413
R PDR

U.S. NRC - CNS

Feb. 14, 1992

Page 2

bxc: D. A. Braatz	PDS
K. S. Canady	EC08H
B. T. Faulkenberry	WC25I
R. C. Futrell	CNS
E. G. LaCasse	CNS
T. E. Mooney	(WC26C)
B. J. Horsley	CNS Contracts - EC03U
N. A. Rutherford	WC25D
J. S. Forbes	CNS
R. A. Williams (3)	WC25A
J. C. Wimbish	WC23C
E. C. Fisher	MNS
B. W. Walsh	PB02L
S. D. Galloway	CNS
C. D. Denton	PB05E
R. L. Gill	WC26A (File)

OPERATING DATA REPORT

DOCKET NO 50-413
 DATE February 14, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 1
2. Reporting Period: January 1, 1992-January 31, 1992
3. Licensed Thermal Power (MWT): 3411
4. Nameplate Rating (Gross MWe): 1305*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: _____

Notes *Nameplate Rating (Gross MWe) calculated as 1450,000 MVA x .90 power factor per Page iii, NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reason For Restrictions, If any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	744.0	57793.0
12. Number Of Hours Reactor Was Critical	744.0	744.0	43134.2
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	744.0	744.0	42139.9
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2523221	2523221	136009526
17. Gross Electrical Energy Generated (MWH)	896831	896831	47766235
18. Net Electrical Energy Generated (MWH)	851801	851801	44785495
19. Unit Service Factor	100.0	100.0	72.9
20. Unit Availability Factor	100.0	100.0	72.9
21. Unit Capacity Factor (Using MDC Net)	101.4	101.4	68.3
22. Unit Capacity Factor (Using DER Net)	100.0	100.0	67.7
23. Unit Forced Outage Rate	0.0	0.0	11.3

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Refueling - June 23, 1992 - 65 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Unit: In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-418
 UNIT Catawba 1
 DATE February 14, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH January, 1992

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1146</u>	17	<u>1145</u>
2	<u>1144</u>	18	<u>1145</u>
3	<u>1143</u>	19	<u>1145</u>
4	<u>1142</u>	20	<u>1151</u>
5	<u>1147</u>	21	<u>1145</u>
6	<u>1147</u>	22	<u>1145</u>
7	<u>1147</u>	23	<u>1140</u>
8	<u>1146</u>	24	<u>1139</u>
9	<u>1146</u>	25	<u>1133</u>
10	<u>1146</u>	26	<u>1145</u>
11	<u>1146</u>	27	<u>1146</u>
12	<u>1147</u>	28	<u>1144</u>
13	<u>1148</u>	29	<u>1144</u>
14	<u>1147</u>	30	<u>1143</u>
15	<u>1151</u>	31	<u>1144</u>
16	<u>1146</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1992

DOCKET NO. 50-413
 UNIT NAME CATAWBA 1
 DATE 02/14/92
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-373-5762

NO.	DATE	(1)	DURATION HOURS	(2)	(3)	LICENSE EVENT REPORT NO.	(4)	(5)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
		TYPE		REASON	METHOD OF SHUT DOWN R/X		SYS- TEM CODE	COMPONENT CODE	
		NO	SHUTDOWNS	OR		REDUCTION	S		

(1)
 F Forced
 S Scheduled

(2)
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operator Error (Explain)
 H-Other (Explain)

(3)
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

(4)
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets For Licensee
 Event Report (LER)
 File (NUREG-0161)

(5)
 Exhibit I - Same Source

DOCKET NO: 50-413

UNIT: Catawba 1

DATE: 2/14/92

NARRATIVE SUMMARY

MONTH: January 1992

Catawba Unit 1 began the month of January operating at 100% full power. The unit operated at or near 100% full power for the entire month, and ended the month operating at 100% full power.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 1
2. Scheduled next refueling shutdown: June 1992
3. Scheduled restart following refueling: August 1992

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 336
8. Present licensed fuel pool capacity: 1418
Size of requested or planned increase: =
9. Projected date of last refueling which can be accommodated by present licensed capacity: September 2009

DUKE POWER COMPANY

DATE: February 14, 1992

Name of Contact: R. A. Williams

Phone: 704-373-5987

OPERATING DATA REPORT

DOCKET NO 50-414
 DATE February 14, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

OPERATING STATUS

1. Unit Name: Catawba 2
2. Reporting Period: January 1, 1992-January 31, 1992
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1305*
5. Design Electrical Rating (Net MWe): 1145
6. Maximum Dependable Capacity (Gross MWe): 1192
7. Maximum Dependable Capacity (Net MWe): 1129
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons: _____

Notes *Nameplate Rating (Gross MWe) calculated as 1450.000 MVA x .90 power factor per Page iii, NUREG-0020.

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reason For Restrictions, If any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	744.0	47809.0
12. Number Of Hours Reactor Was Critical	721.4	721.4	35019.0
13. Reactor Reserve Shutdown Hours	--0--	--0--	--0--
14. Hours Generator On-Line	703.6	703.6	34265.8
15. Unit Reserve Shutdown Hours	--0--	--0--	--0--
16. Gross Thermal Energy Generated (MWH)	2330484	2330484	107456661
17. Gross Electrical Energy Generated (MWH)	827994	827994	38003899
18. Net Electrical Energy Generated (MWH)	784213	784213	35638082
19. Unit Service Factor	94.6	94.6	71.7
20. Unit Availability Factor	94.6	94.6	71.7
21. Unit Capacity Factor (Using MDC Net)	93.4	93.4	65.8
22. Unit Capacity Factor (Using DER Net)	92.1	92.1	65.1
23. Unit Forced Outage Rate	3.7	3.7	12.9

24. Shutdown Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 None

25. If Shut Down At End Of Report Period. Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

DOCKET NO 50-414
 UNIT Catawba 2
 DATE February 14, 1992
 COMPLETED BY R.A. Williams
 TELEPHONE 704-373-5987

MONTH January, 1992

<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>	<u>DAY</u>	<u>AVERAGE DAILY POWER LEVEL (MWe-Net)</u>
1	<u>1159</u>	17	<u>1145</u>
2	<u>1152</u>	18	<u>1155</u>
3	<u>1156</u>	19	<u>1157</u>
4	<u>1090</u>	20	<u>1157</u>
5	<u>31</u>	21	<u>1158</u>
6	<u>989</u>	22	<u>1159</u>
7	<u>1147</u>	23	<u>1151</u>
8	<u>1151</u>	24	<u>1167</u>
9	<u>1151</u>	25	<u>1160</u>
10	<u>1154</u>	26	<u>1157</u>
11	<u>1160</u>	27	<u>1161</u>
12	<u>1148</u>	28	<u>1158</u>
13	<u>1150</u>	29	<u>1162</u>
14	<u>1150</u>	30	<u>1156</u>
15	<u>71</u>	31	<u>1142</u>
16	<u>472</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1992

DOCKET NO. 50-414
 UNIT NAME CATAWBA 2
 DATE 02/14/92
 COMPLETED BY S. W. MOSER
 TELEPHONE (704)-375-5762

NO.	DATE	(1) TYPE	DURATION HOURS	(2) REASON	(3) METHOD OF SHUT DOWN R/X	LICENSE EVENT REPORT NO.	(4) SYS- TEM CODE	(5) COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
1	92- 1- 4	S	13.55	B	3		HH	INSTRU	TURBINE TRIP FOR LOAD REJECTION TESTING, REACTOR REMAINING CRITICAL
2-P	92- 1- 5	S	--	B	--		HH	INSTRU	LOAD REJECTION TESTING
3-P	92- 1- 5	S	--	A	--		HG	HTEXCH	HOTWELL DISSOLVED OXYGEN OUT OF SPEC
4-P	92- 1- 6	S	--	H	--		HH	PUMPXX	FEEDWATER PUMP '2A' START
2	92- 1-15	F	26.85	A	3		HA	PUMPXU	REACTOR TRIP DUE TO TURBINE TRIP ON ELECTRO-HYDRAULIC CONTROL PROBLEM
5-P	92- 1-16	F	--	H	--		ZZ	ZZZZZZ	PLACING UNIT ON-LINE
6-P	92- 1-16	F	--	B	--		HA	PUMPXX	INTERNAL TIME SET POINT ADJUSTMENT ON TURBINE HYDRAULIC SYSTEM / PUMP TEST

(1)
 F Forced
 S Scheduled

(2)
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operator Error (Explain)
 H-Other (Explain)

(3)
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

(4)
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets For Licensee
 Event Report (LER)
 File (NUREG-0161)

(5)
 Exhibit I - Same Source

DOCKET NO: 50-414

UNIT: Catawba 2

DATE: 2/14/90

NARRATIVE SUMMARY

MONTH: January 1992

Catawba Unit 2 began the month of January operating at 100% full power. The unit operated at 100% full power until 2043 on 01/04, when a power reduction was begun to begin load rejection testing of the digital feedwater / turbine control system. The unit was held at approximately 45% power from 2255 to 2346 on 01/04 in preparation for the testing. At 2346 on 01/04, the unit was tripped for the test. The unit was placed back on-line at 1319 on 01/05. During the power escalation, the unit was held at approximately 15% power from 2120 to 2213 on 01/05 due to secondary chemistry, and at approximately 45% power from 0105 to 0130 on 01/06 to start the '2A' main feedwater pump. The unit reached 100% full power at 1805 on 01/06. The unit operated at or near 100% full power until 0214 on 01/15, when the unit tripped off-line due to turbine control problems. The unit was placed back on-line at 0505 on 01/16. During the power escalation the unit was held at approximately 50% power from 1441 to 1602 on 01/16 for a set point adjustment on the turbine control system. The unit reached 100% full power at 0400 on 01/17, and operated at or near 100% full power for the remainder of the month.

Prepared by: S. W. Moser
Telephone: 704-373-5762

MONTHLY REFUELING INFORMATION REQUEST

1. Facility name: Catawba, Unit 2
2. Scheduled next refueling shutdown: January 1993
3. Scheduled restart following refueling: April 1993

THE PROJECT MANAGER HAS BEEN ADVISED BY SEPARATE COMMUNICATION OF ANY T.S. CHANGE OR LICENSE AMENDMENT. THEREFORE, QUESTIONS 4 THROUGH 6 WILL NO LONGER BE MAINTAINED IN THIS REPORT.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

If yes, what will these be?

If no, has reload design and core configuration been reviewed by Safety Review Committee regarding unreviewed safety questions?

5. Scheduled date(s) for submitting proposed licensing action and supporting information.
6. Important licensing considerations (new or different design or supplier, unreviewed design or performance analysis methods, significant changes in design or new operating procedures).
7. Number of Fuel assemblies (a) in the core: 193
(b) in the spent fuel pool: 280
8. Present licensed fuel pool capacity: 1418
Size of requested or planned increase: =
9. Projected date of last refueling which can be accommodated by present licensed capacity: September 2011

DUKE POWER COMPANY

DATE: February 14, 1992

Name of Contact: R. A. Williams

Phone: 704-373-5987

CATAWBA NUCLEAR STATION
MONTHLY OPERATING STATUS REPORT

December 1991

1. Personnel Exposure -

For the month of December, no individual(s) exceeded 10 percent of their allowable annual radiation dose limit.

2. The total station liquid release for December has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this limit.

The total station gaseous release for December has been compared with the Technical Specifications maximum annual dose commitment and was less than 10 percent of this list.